



| Enzyme Form | Substrate  | Activity<br>(nmoles/ug/min) | Std Dev | N  | relative activity<br>vs. WT hGALE |
|-------------|------------|-----------------------------|---------|----|-----------------------------------|
| WT hGALE    | UDP-Gal    | 50.11                       | 18.6    | 49 | 100%                              |
| WT eGALE    | UDP-Gal    | 40.18                       | 18.52   | 16 | 80%                               |
| C307Y hGALE | UDP-Gal    | 59.78                       | 23.31   | 21 | 119%                              |
| WT hGALE    | UDP-GalNAc | 37.71                       | 11.93   | 30 | 100%                              |
| WT eGALE    | UDP-GalNAc | 0.005                       | 0.003   | 12 | 0.01%                             |
| C307Y hGALE | UDP-GalNAc | 0.87                        | 0.65    | 18 | 2.30%                             |

FIGURE 1

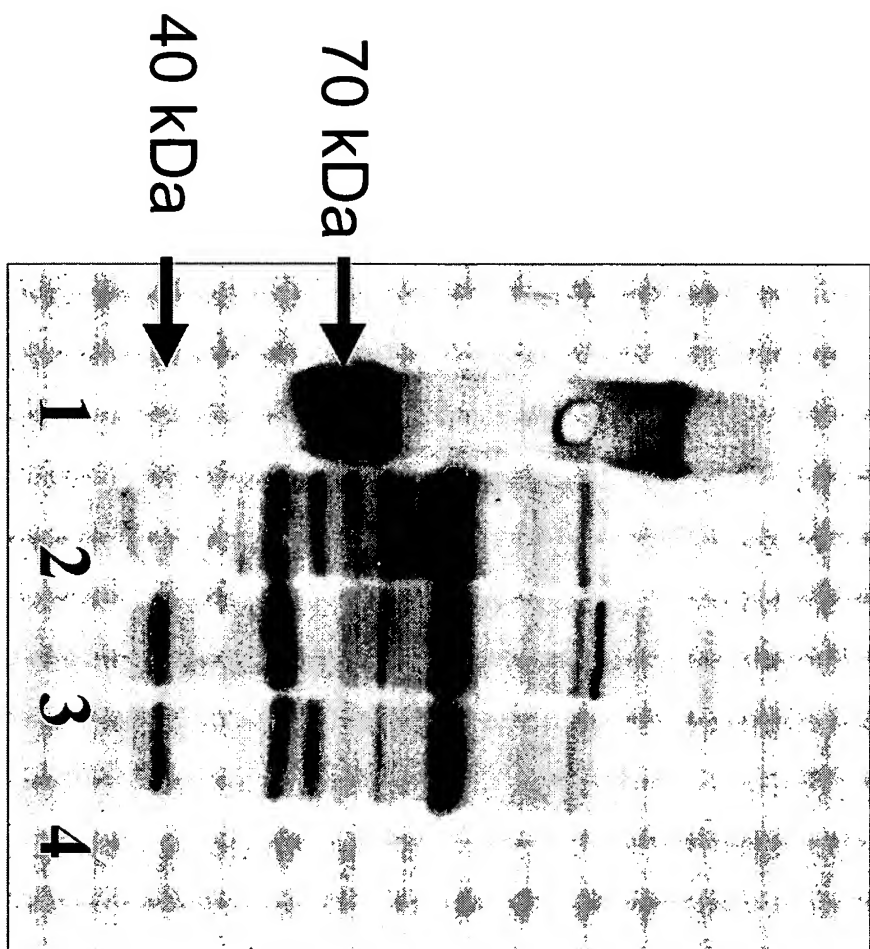


FIG. 2

# UDP-Gal GALE Activity in IdID cells transfected with C307Y hGALE

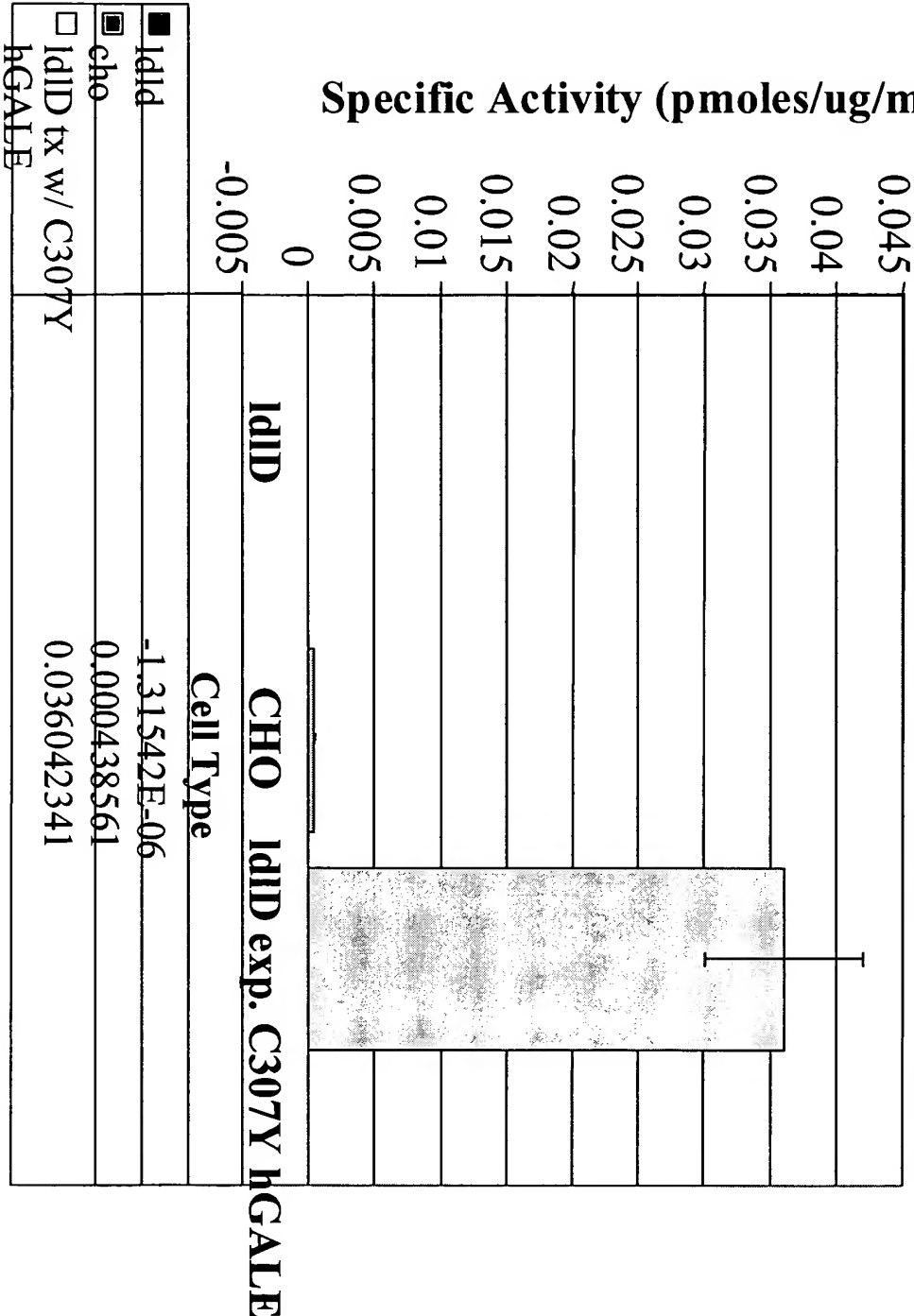


FIG. 3

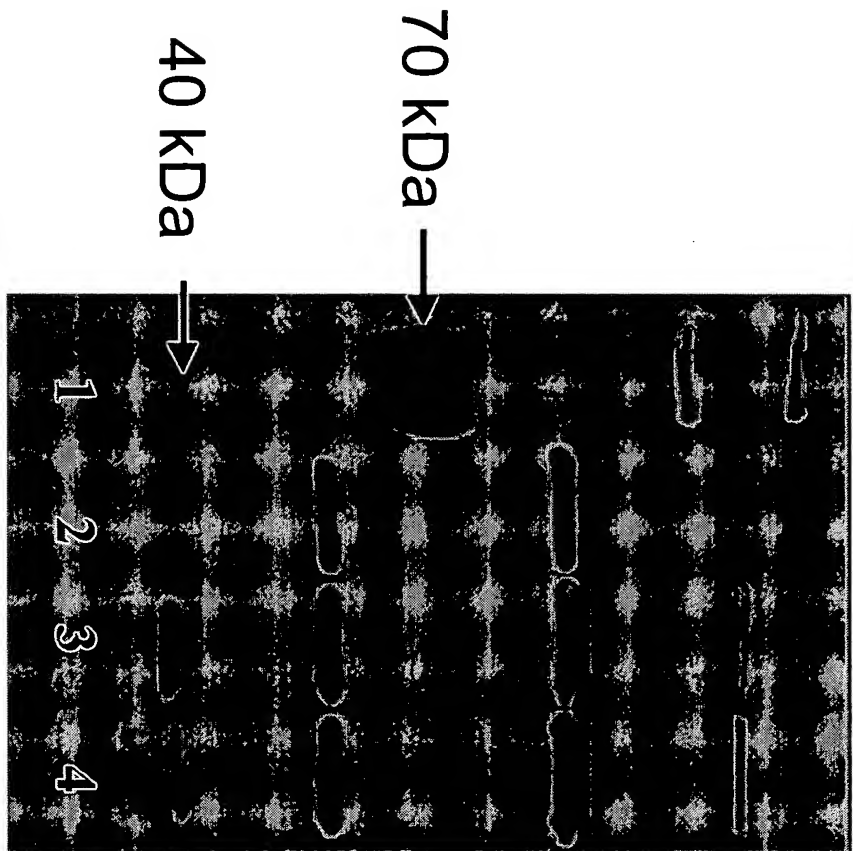


FIG. 4

# UDP-Gal GALE Activity in IdlD cells expressing WTE. coliGALE

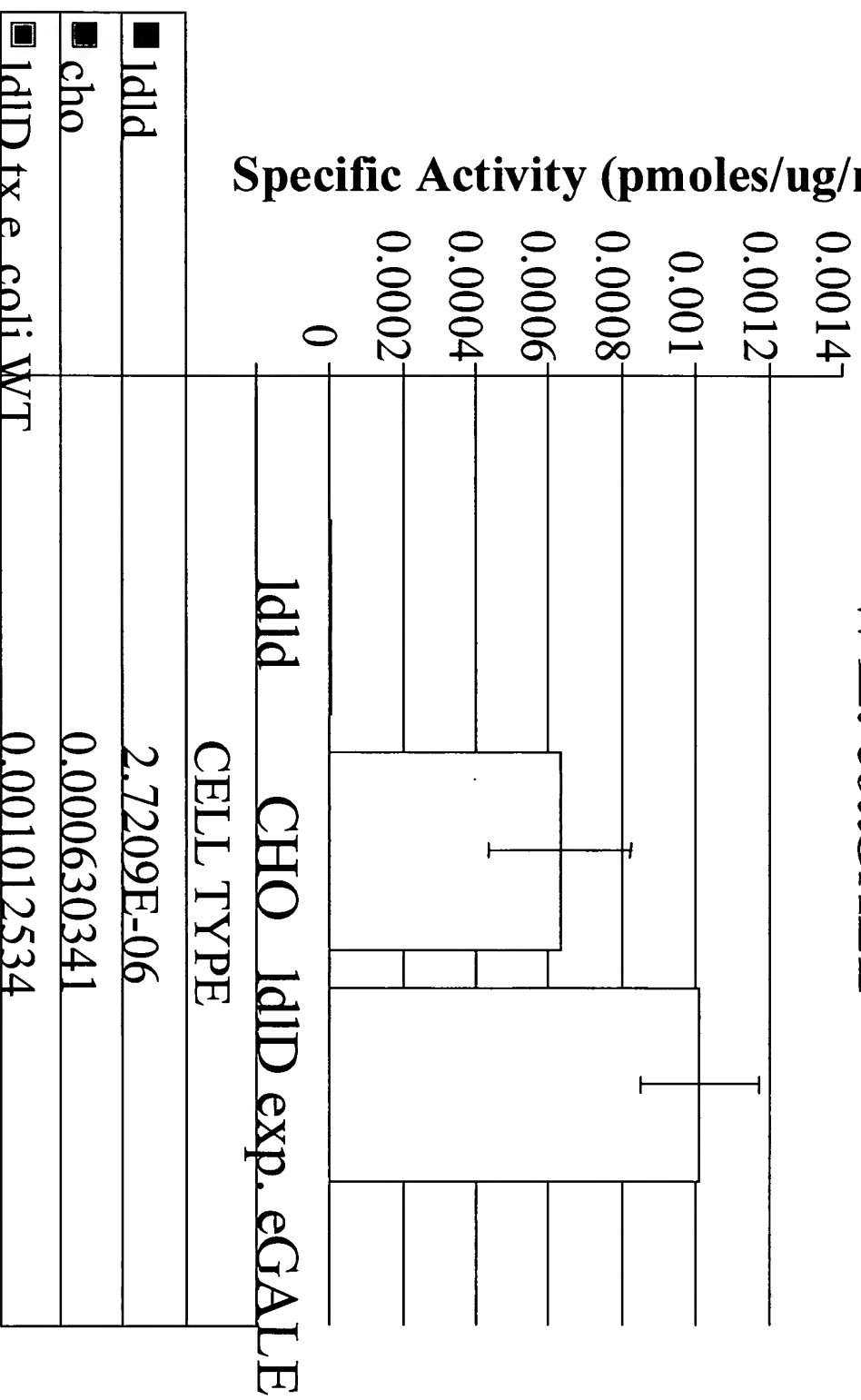


FIG. 5

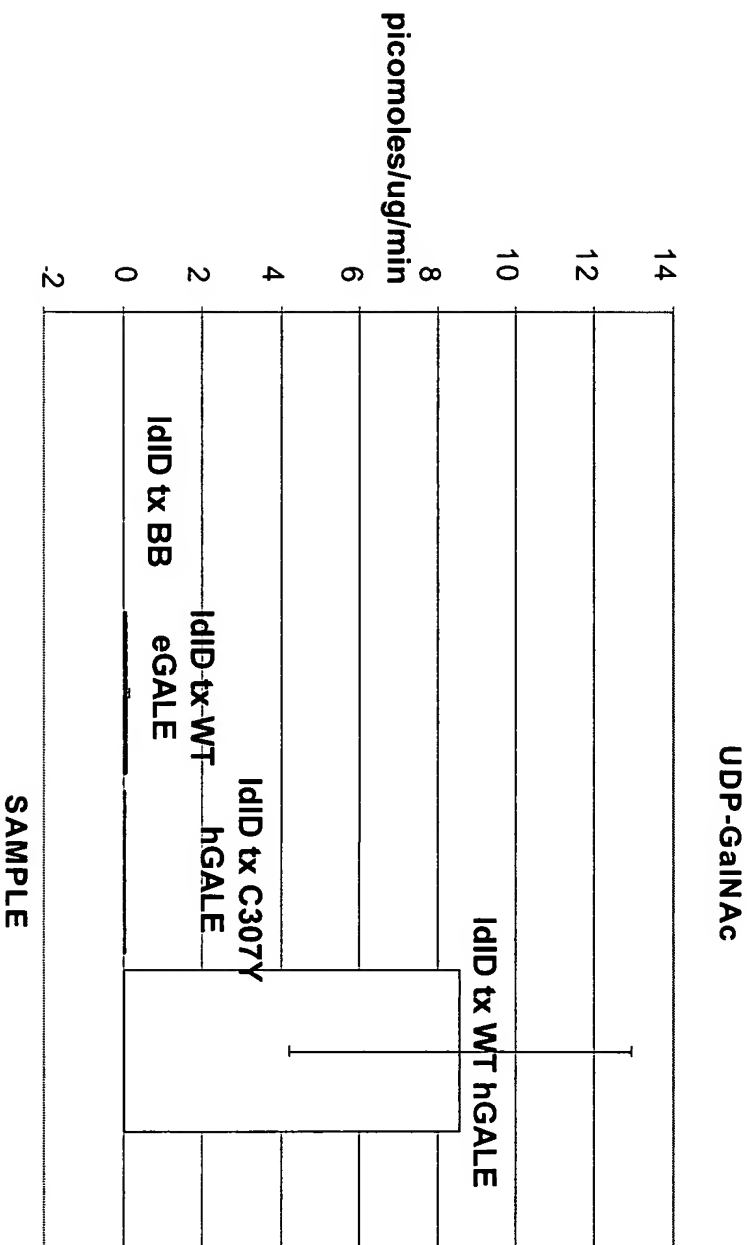


FIG. 6